

What is claimed is:

1. A receptacle for enclosing low-voltage electronic devices and maintaining the integrity of a vapor barrier comprising:

a base portion and a perimeter wall housing surrounding the base;

a pattern of concentric generally geometric shapes radiating from proximate the center of the base;

a flange attached generally perpendicularly to the perimeter wall housing, the flange allowing the attachment of the receptacle within the cavity by securing at least a portion of the flange to a structural member of the building.

2. The receptacle of claim 1, wherein the pattern of concentric geometric shapes is a pattern of concentric circles.

3. The receptacle of claim 1, wherein the pattern of concentric geometric shapes is formed by alternating ridges and grooves in the base.

4. The receptacle of claim 1, wherein the receptacle is comprised of a thermoplastic material.

5. The receptacle of claim 4, wherein the thermoplastic material is flame-retardant.

6. The receptacle of claim 1, wherein a pressure sensitive adhesive is disposed across the flange.

7. An assembly for enclosing low-voltage electronic devices and maintaining the integrity of a vapor barrier comprising:

a receptacle having a base portion and a perimeter wall, the receptacle being disposed within a cavity comprising an area between structural members of a building;

a flange attached generally perpendicularly to the perimeter wall housing, the flange allowing the attachment of the receptacle within the cavity by securing at least a portion of the flange to at least one of the structural members of the building;

a vapor barrier film sealed to the flange; and

a length of wire disposed at the receptacle, at least a portion of the length being disposed at the receptacle extending in a first direction and a generally oppositely disposed second direction.

8. The receptacle of claim 7, wherein the pattern of concentric geometric shapes is a pattern of concentric circles.

9. The receptacle of claim 7, wherein the pattern of concentric geometric shapes is formed by alternating ridges and grooves in the base.

10. The receptacle of claim 7, wherein the receptacle is comprised of a thermoplastic material.

11. The receptacle of claim 10, wherein the thermoplastic material is flame-retardant.

12. The receptacle of claim 7, wherein a pressure sensitive adhesive is disposed across the flange.

13. The receptacle of claim 7, wherein the wire extends in the first and second direction to form a coil.

14. The receptacle of claim 7, wherein the wire extends in the first and second direction to form a zig/zig pattern.

15. A method of enclosing a low-voltage electronic device and maintaining the integrity of a vapor barrier, comprising the steps of:

providing a receptacle having a base portion, a perimeter wall housing surrounding the base, and a flange attached generally perpendicularly to the perimeter wall housing;

positioning the receptacle within a wall of a building so as to allow at least one flange direct contact with a structural member;

securing the flange to the structural member;

forming an aperture in the receptacle;

passing a conductive wire through the aperture in the receptacle;

placing a barrier film over the structural members of the wall and the receptacle;

sealing the barrier film to the receptacle;

creating a hole through the barrier film within the confines of the receptacle to accommodate a low-voltage electronic device; and

disposing an amount of wire at the receptacle, the wire at the receptacle extending in at least a first and a generally opposite second direction prior to connecting the electronic device.

16. The method of claim 15, wherein the base portion of the receptacle includes a pattern of concentric geometric shapes.

17. The method of claim 16, wherein the pattern of concentric geometric shapes is a pattern of concentric circles.

18. The method of claim 16, wherein the pattern of concentric geometric shapes is formed by alternating ridges and grooves in the base portion of the receptacle.

19. The method of claim 16, further including the step of visualizing the pattern of geometric shapes.

20. The method of claim 15, wherein the wire extends in the first and second direction to form a zig/zig pattern.

21. The method of claim 15, further including the step of sealing the hole with a sealant.

22. The method of claim 15, further including the step of applying an adhesive to the flange.

23. The method of claim 15, wherein the wire extends in the first and second direction to form a coil.